



ERENCE & ASSOCIATES  
PATENT FILING TRANSMITTAL

01-08-02 A

DOCKET NO. YOR920010342US1  
(590.070)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Box Patent Application  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

### PATENT FILING TRANSMITTAL

Transmitted herewith for filing is the Patent Application of: Scott K. Reynolds

For: TWO-STAGE VARIABLE-GAIN MIXER EMPLOYING SHUNT FEEDBACK

which is to be assigned to IBM Corporation, Armonk, New York, and who should be listed on any patent application publication as the Assignee of this application.

### TYPE OF FILING

This new patent application is for a(n):

- Utility
- Design
- Plant
- Divisional
- Continuation
- Continuation-in-part

### Benefit of a prior filed application

- This application claims the benefit of an earlier filed U.S. Patent Application under 35 USC 120.
- Please accord Applicant the benefit of the priority date of \_\_\_\_\_ to this case pursuant to 35 USC 119. Applicant's claim for priority is based on application \_\_\_\_\_ filed in \_\_\_\_\_ on that date.

### Filing under 37 CFR 1.53 (Utility) or 37 CFR 1.153 (Design)

- This is an application filed pursuant to 37 CFR 1.53 or 37 CFR 1.153, permitting receipt of a filing date upon filing of a specification, at least one claim and necessary drawings.
- In the event any parts of this application are incomplete, please treat this as a filing under 37 CFR 1.53 or 37 CFR 1.153.

### ENCLOSURES

- 13 - pages of written description;
- 5 - pages of claims;
- 1 - pages of abstract;
- \_\_\_\_\_ - sheets of formal drawings;
- 4 - sheets of informal drawings;
- Declaration and Power of Attorney or listing of inventors;
- and**
- Two postcards for return to us as proof of receipt of the above documents.

**plus**

- An Assignment of the invention to IBM Corporation and an Assignment cover sheet;
- Verified Statement Claiming Small Entity Status (37 CFR 1.9(f) and 1.27(b))

- Form PTO-1449 (IDS) and two copies of the references listed thereon;
- A certified copy of \_\_\_\_\_ (country) patent application number \_\_\_\_\_ (priority document).
- A preliminary amendment;
- Declaration of Biological Deposit;
- Submission of sequence listing, computer readable copy and/or amendment relating thereto for biotechnology invention containing nucleotide and/or amino acid sequence;
- An associate power of attorney;
- Other.

#### DECLARATION OR OATH

The enclosed Declaration or Oath has been executed by:

- Inventor(s);
- Legal representative of the inventors (37 CFR 1.42 or 1.43);
- Joint inventor or person showing proprietary interest on behalf of an inventor who refused to sign or who cannot be reached and this is a petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is attached;
- Has not been executed and is enclosed for the purposes of identifying the inventors.

#### INVENTORSHIP STATEMENT

The inventorship for all the claims in this application is:

- the same;
- not the same and, as an explanation, a statement is/ will be submitted.

#### LANGUAGE

The application submitted herewith is:

- in English;
- in not in English and in terms of 37 CFR 1.52(d) a verified translation is
  - attached
  - not attached.

#### FEE CALCULATION

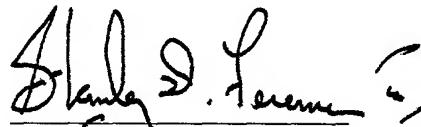
The filing fee has been calculated as shown below:

		SMALL ENTITY OR	OTHER THAN A	
		RATE	FEE	SMALL ENTITY
BASIC FEE Design Patent		\$165	\$	\$330
BASIC FEE Utility Patent		\$370	\$	\$740
EXTRA FEES				\$740
TOTAL CLAIMS 15 MINUS 20 = 0	x 9=	\$0	x18=	\$
INDEP.CLAIMS 1 MINUS 3 = 0	x 42=	\$0	x84=	\$
[ ] MULTIPLE DEP.CLAIM	+140=	\$	+280=	\$
[X ] ASSIGNMENT	+ 40=	\$	+40=	\$40
[ ] RULE 53 SURCHARGE	+ 65=	\$	+130=	\$
TOTAL		\$		<u>\$780</u>

**FEE PAYMENT**

- [ ] Attached is Check No.\_\_\_\_ in the sum of \$\_\_\_\_ to cover the filing fee and, if applicable, the assignment fee.
- [X] Please charge **IBM Corporation Deposit Account No. 50-0510** the amount of \$780.00, to cover the filing fee. Duplicate copies of this letter are enclosed. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or credit **Deposit Account No. 50-0510** as required to correct the error.

Respectfully submitted,



Stanley D. Ference III  
Reg. No. 33,879

Dated: January 4, 2002

FERENCE & ASSOCIATES  
129 Oakhurst Road  
Pittsburgh, Pennsylvania 15215  
(412) 781-7386  
(412) 781-8390-Facsimile

SEARCHED INDEXED SERIALIZED FILED

PATENT

Docket No. YOR920010342US1  
(590.070)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Scott K. Reynolds                          Group Art: not yet assigned  
Serial No. : not yet assigned                          Examiner: not yet assigned  
Filed : herewith  
For : TWO-STAGE VARIABLE-GAIN MIXER EMPLOYING SHUNT  
      FEEDBACK



EXPRESS MAIL CERTIFICATE

Express Mail Label No. EL 765475509US

Date of Deposit 4 January 2002

I hereby certify that the following attached paper(s) or fee:

Patent Application  
Written Description  
Claims 1-15  
Abstract  
Drawings (Figs. 1-4)  
Declaration and Power of Attorney  
Assignment with (duplicate) Recordation Form Cover Sheet  
Patent Filing Transmittal (in duplicate)  
Certificate of Express Mail  
Two Return Postcards

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, U.S. Patent and Trademark Office, Washington, D.C. 20231

Stanley D. Ference III  
(Typed or printed name of  
person mailing paper)



Stanley D. Ference III

(Signature of person mailing  
paper(s) or fee)

Mailing Address:

FERENCE & ASSOCIATES  
129 Oakhurst Road  
Pittsburgh, Pennsylvania 15215  
(412) 781-7386  
(412) 781-8390-Facsimile